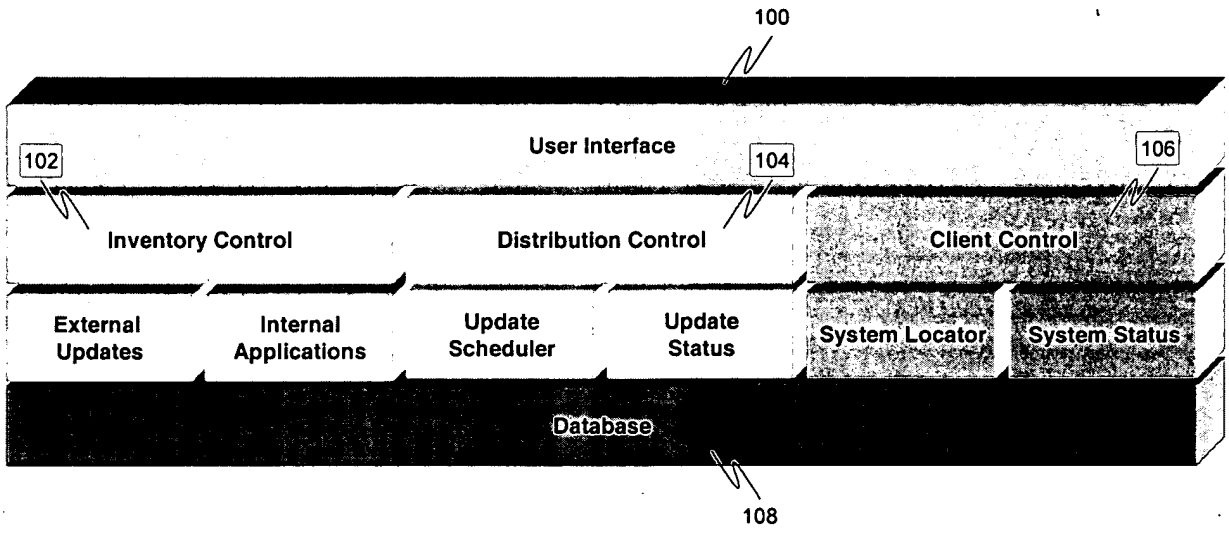

100
User Interface
102
104
106
Inventory Control
Distribution Control
Client Control
External Updates
Internal Applications
Update Scheduler
Update Status
System Locator
System Status
Database
108

FIG. 1

```
<?xml version="1.0" ?>
<GURtransfer>
  < McVendors>
    <McVendor McVendorID="1">
      <VendorID></VendorID>
      <VendorName></VendorName>
      <VendorDescription ></VendorDescription>
      <VendorStatus></VendorStatus>
    </McVendor>
  </McVendors>
  <McOSPackages>
    <McOSPackage McOSPackageID="1">
      <McOSPackageID></McOSPackageID >
      <VendorID></VendorID >
      <McOSPackageName></McOSPackageName>
      <McOSPackageVersion></McOSPackageVersion>
      <McOSPackegeDescription></McOSPackegeDescription>
      <McOSPackegeRemoteLocation></McOSPackegeRemoteLocation>
      <McOSPackegeDate></McOSPackegeDate>
      <McOSPackegeStatus></McOSPackegeStatus>
    </McOSPackage>
  </McOSPackages>
  <McSoftwarePackeges>
    <McSoftwarePackege McSoftwarePackegeID="1">
      <McSoftwarePackageID></McSoftwarePackageID>
      <VendorID></VendorID>
      <McSoftwarePackageName></McSoftwarePackageName>
      <McSoftwarePackageVersion></McSoftwarePackageVersion>
      <McSoftwarePackegeDescription></McSoftwarePackegeDescription>
      <McSoftwarePackegeRemoteLocation></McSoftwarePackegeRemoteLocation>
      <McSoftwarePackegeDate></McSoftwarePackegeDate>
      <McSoftwarePackegeStatus></McSoftwarePackegeStatus>
    </McSoftwarePackege>
  </McSoftwarePackeges
</GURtransfer>
```

FIG. 2

300

McVendors			
Column Name	**Data Type**	**Length**	**Nulls**
VendorID	Int	4	
VendorName	VarChar	150	
VendorURL	VarChar	150	
VendorDescription	Text	10	X
VendorDate	Datetime	8	
VendorType*	Int	4	
VendorStatus	Bit	1	

McOSPackages			
Column Name	**Data Type**	**Length**	**Nulls**
McOSPackageID	Int	4	
VendorID	Int	4	
McOSPackageName	VarChar	150	X
McOSPackageVersion	VarChar	50	
McOSPackegeDescription	Text	10	X
McOSPackegeRemoteLocation	VarChar	250	
McOSPackegeLocalLocation	VarChar	250	
McOSPackegeDate	Datetime	8	
McOSPackegeStatus	Bit	1	

McSoftwarePackages			
Column Name	**Data Type**	**Length**	**Nulls**
McSoftwarePackageID	Int	4	
VendorID	Int	4	
McSoftwarePackageName	VarChar	150	X
McSoftwarePackageVersion	VarChar	50	
McSoftwarePackegeDescription	Text	10	X
McSoftwarePackegeRemoteLocation	VarChar	250	
McSoftwarePackegeLocalLocation	VarChar	250	
McSoftwarePackegeDate	Datetime	8	
McSoftwarePackegeStatus	Bit	1	

FIG. 3

lcComputers			
Column Name	**Data Type**	**Length**	**Nulls**
lcComputerID	Int	4	
lcComputerName	Int	4	X
lcComputerIPAddress	VarChar	150	
lcComputerOsName	VarChar	50	
lcComputerOSVersion	VarChar	50	

lcSoftware			
Column Name	**Data Type**	**Length**	**Nulls**
lcSoftwareID	Int	4	
lcComputerID	Int	4	
lcSoftwareName	VarChar	150	X
lcSoftwareDescription	Text	10	X
lcSoftwareVersion	VarChar	50	
lcSoftwareInstalledLocation	VarChar	250	
lcSoftwareUpdateable	Bit	1	
lcSoftwareUpdateType*	Int	4	
lcSoftwareUpdateTime**	Int	4	
lcSoftwareDate	Datetime	8	
lcSoftwareStatus	Bit	1	

400 –

lcVendors			
Column Name	**Data Type**	**Length**	**Nulls**
lcVendorID	Int	4	
lcVendorName	VarChar	150	
lcVendorURL	VarChar	150	
lcVendorDescription	Text	10	X
lcVendorDate	Datetime	8	
lcVendorType*	Int	4	
lcVendorStatus	Bit	1	

FIG. 4A

IcOSPackages			
Column Name	**Data Type**	**Length**	**Nulls**
IcOSPackageID	Int	4	
VendorID	Int	4	
IcOSPackageName	VarChar	150	X
IcOSPackageVersion	VarChar	50	
IcOSPackegeDescription	Text	10	X
IcOSPackegeRemoteLocation	VarChar	250	
IcOSPackegeLocalLocation	VarChar	250	
IcOSPackegeDate	Datetime	8	
IcOSPackegeStatus	Bit	1	

IcSoftwarePackages			
Column Name	**Data Type**	**Length**	**Nulls**
IcSoftwarePackageID	Int	4	
VendorID	Int	4	
IcSoftwarePackageName	VarChar	150	X
IcSoftwarePackageVersion	VarChar	50	
IcSoftwarePackegeDescription	Text	10	X
IcSoftwarePackegeRemoteLocation	VarChar	250	
IcSoftwarePackegeLocalLocation	VarChar	250	
IcSoftwarePackegeDate	Datetime	8	
IcSoftwarePackegeStatus	Bit	1	

IcOSPackagesUpdatedByComputer			
Column Name	**Data Type**	**Length**	**Nulls**
IcOSUpdateID	Int	4	
IcComputerID	Int	4	
IcOSPackageID	Int	4	
IcOSPackaagesUpdatedDate	Datetime	8	

IcSoftwarePackagesUpdatedByComputer			
Column Name	**Data Type**	**Length**	**Nulls**
IcOSUpdateID	Int	4	
IcComputerID	Int	4	
IcSoftwarePackageID	Int	4	
IcSoftwarePackaagesUpdatedDate	Datetime	8	

FIG. 4B

500

DcOSJobQueue			
Column Name	Data Type	Length	Nulls
DcOSJobID	Int	4	
IcComputerID	Int	4	
IcOSPackageID	Int	4	
DcOSJobType*	Int	4	
DcOSJobTime**	Int	4	
DcOSJobStatus***	Int	4	

DcSoftwareJobQueue			
Column Name	Data Type	Length	Nulls
DcSoftwareJobID	Int	4	
IcComputerID	Int	4	
IcSoftwarePackageID	Int	4	
DcSoftwareJobType*	Int	4	
DcSoftwareJobTime**	Int	4	
DcSoftwareJobStatus***	Int	4	

FIG. 5

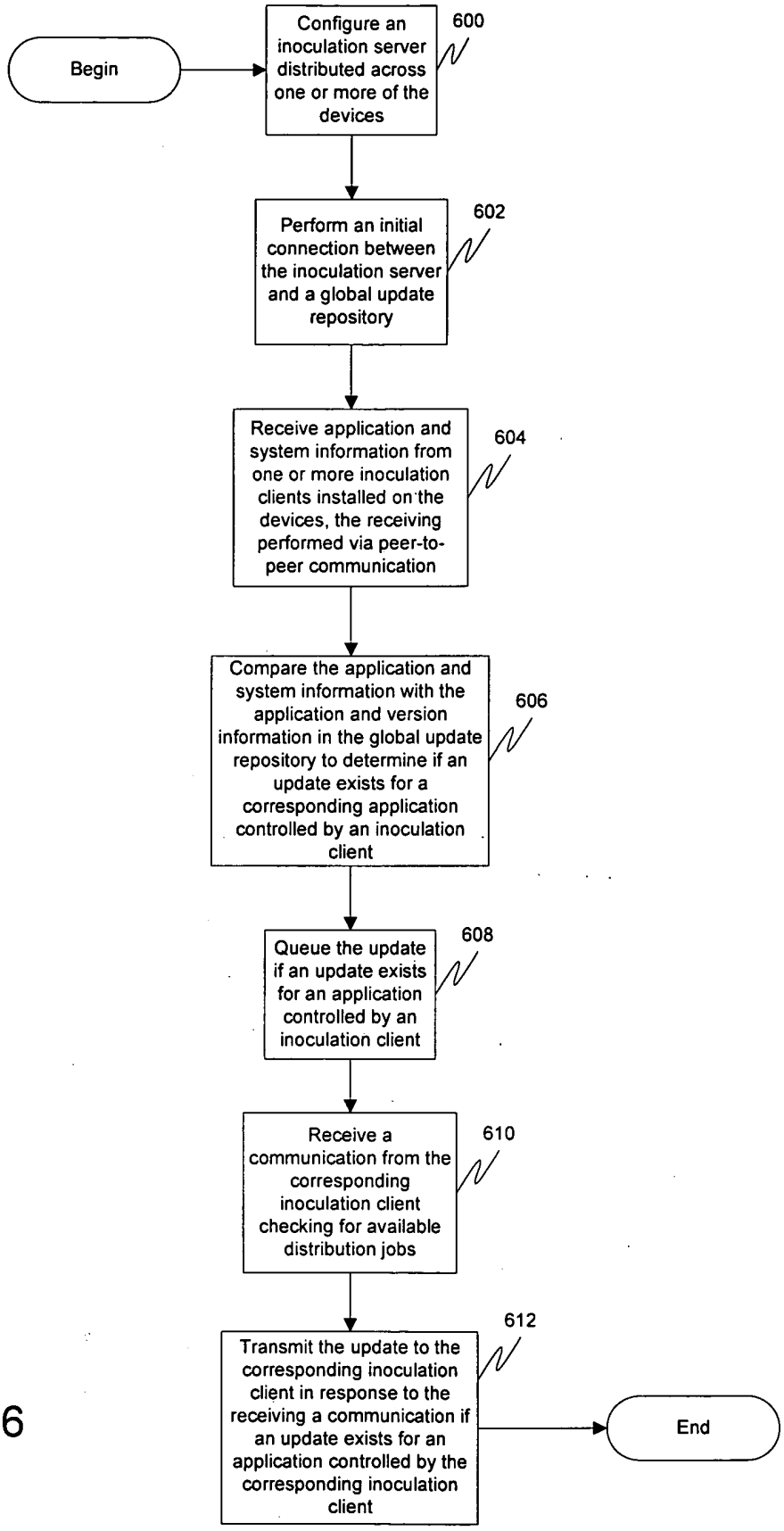

Begin
Configure an inoculation server distributed across one or more of the devices
600
Perform an initial connection between the inoculation server and a global update repository
602
Receive application and system information from one or more inoculation clients installed on the devices, the receiving performed via peer-to-peer communication
604
Compare the application and system information with the application and version information in the global update repository to determine if an update exists for a corresponding application controlled by an inoculation client
606
Queue the update if an update exists for an application controlled by an inoculation client
608
Receive a communication from the corresponding inoculation client checking for available distribution jobs
610
Transmit the update to the corresponding inoculation client in response to the receiving a communication if an update exists for an application controlled by the corresponding inoculation client
612
End

FIG. 6

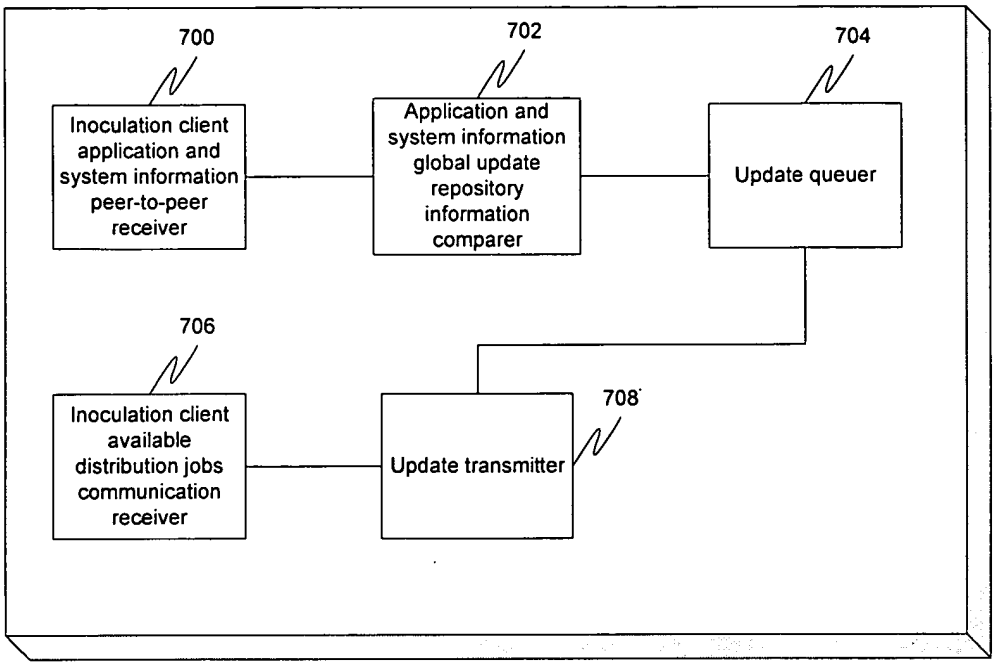

700
Inoculation client application and system information peer-to-peer receiver
702
Application and system information global update repository information comparer
704
Update queuer
706
Inoculation client available distribution jobs communication receiver
708
Update transmitter

FIG. 7